

AMENDMENTS TO THE CLAIMS

1-37. **(Canceled)**

38. **(Currently Amended)** A storage-based broadcasting system which stores a plurality of contents to provide a service and a user interface to a user, said system comprising:

transmission means for transmitting the plurality of contents; and
receiving means for receiving the plurality of contents from said transmission means via a transmission path, and activating the user interface, wherein:

each of the plurality of contents includes a content body and a content header for defining each of the plurality of contents, respectively;

the content body is one of a service content body for providing the service and a browser content body for providing the user interface with the service;

the content header attached to the browser content body contains a content flag which distinguishes the browser content body from the service content body;

said transmitting means comprises,

storage means for storing a plurality of contents bodies,

a content body pitcher means for outputting each of the plurality of content bodies stored in said storage means, and

content assembler means for assembling a content by adding the respective content header to each of the plurality of content bodies outputted from said content body pitcher ~~means; and,~~

multiplexer means for multiplexing the content assembled by said content assembler means, and

transmitter means for modulating the content multiplexed by said multiplexer means and outputting the modulated content,

wherein said receiving means comprises browser content determination means for determining a content, including the browser content body, among the plurality of received contents based on the content header included in each of the plurality of received contents.

39. **(Previously Presented)** The storage-based broadcasting system in accordance with claim 38, wherein:

said transmission means further comprises service property information transmitting means for transmitting service property information for indicating properties of the service;

said receiving means is further for receiving the transmitted service property information; and

said browser content determination means is further for determining a content, including the browser content body, among the plurality of received contents based on the service property information in addition to the content header.

40. **(Previously Presented)** The storage-based broadcasting system in accordance with claim 39, wherein:

said transmission means further comprises electronic signature means for placing an electronic signature on the content including the browser content body;

said service property transmitting means is further for transmitting a public key of the electronic signature as being included in the service property information;

said receiving means further comprises signature authentication means for authenticating the electronic signature by using the public key included in the received service property information; and

said browser content determination means is further for determining the content, including the browser content body, among the plurality of received contents through authentication of the electronic signature.

41. **(Previously Presented)** The storage-based broadcasting system in accordance with claim 40, wherein the key used for authentication of the electronic signature is unique to the service.

42. **(Previously Presented)** The storage-based broadcasting system in accordance with claim 39, wherein:

said content pitcher means further comprises content ID space management means for sending information for defining a part of an ID space of the content; and
said receiving means further comprises designation means for designating the content, including the browser content body, based on a content ID included in the defined part of the ID space.

43. **(Currently Amended)** A content transmission method performed in a storage-based broadcasting system which stores a plurality of contents to provide a service and a user interface to a user, said method comprising:

transmitting the plurality of contents;
receiving the plurality of contents via a transmission path; and
activating the user interface, wherein:
each of the plurality of contents includes a content body and a content header for defining each of the plurality of contents, respectively;
the content body is one of a service content body for providing the service and a browser content body for providing the user interface with the service;
the content header attached to the browser content body contains a content flag which distinguishes the browser content body from the service content body;
said transmitting of the plurality of contents comprises,
storing a plurality of contents bodies,
outputting each of the plurality of content bodies, and
assembling a content by adding the respective content header to each of the plurality of content bodies; and,
multiplexing the content assembled in said assembling,
modulating the content multiplexed in said multiplexing, and
outputting the modulated content.
wherein said receiving of the plurality of content comprises determining a content, including the browser content body, among the plurality of received contents based on the content header included in each of the plurality of received contents.

44. **(Previously Presented)** The content transmission method in accordance with claim 43, wherein:

said transmitting of the plurality of contents further comprises transmitting service property information for indicating properties of the service; and

said receiving of the plurality of contents comprises

receiving the transmitted service property information, and

determining a content, including the browser content body, among the plurality of received contents based on the service property information in addition to the content header.

45. **(Previously Presented)** The content transmission method in accordance with claim 44, wherein:

said transmitting of the plurality of contents further comprises placing an electronic signature on the content including the browser content body;

said transmitting of the service property information further comprises transmitting a public key of the electronic signature as being included in the service property information; and

said receiving of the plurality of content further comprises

authenticating the electronic signature by using the public key included in the received service property information, and

determining the content, including the browser content body, among the plurality of received contents through authentication of the electronic signature.

46. **(Previously Presented)** The content transmission method in accordance with claim 45, wherein the key used for authentication of the electronic signature is unique to the service.

47. **(Previously Presented)** The storage-based broadcasting system in accordance with claim 44, wherein:

said transmitting of the plurality of contents further comprises sending information for defining a part of an ID space of the content; and

said receiving of the plurality of contents further comprises designating the content, including the browser content body, based on a content ID included in the defined part of the ID space.

48. **(Currently Amended)** A storage-based broadcasting system operable to store a plurality of contents to provide a service and a user interface to a user, said system comprising:

a transmission unit operable to transmit the plurality of contents; and

a receiving unit operable to receive the plurality of contents from the transmission unit via a transmission path, and activate the user interface, wherein:

each of the plurality of contents includes a content body and a content header for defining each of the plurality of contents, respectively;

the content body is one of a service content body for providing the service and a browser content body for providing the user interface with the service;

the content header attached to the browser content body contains a content header which distinguishes the browser content body from the service content body;

said transmitting unit comprises

a storage unit operable to store a plurality of contents bodies,

a content body pitcher unit operable to output each of the plurality of content bodies stored in said storage unit, and

a content assembler operable to assemble a content by ~~add~~ adding the respective content header to each of the plurality of content bodies outputted from said content body pitcher unit; ~~and,~~

a multiplexer operable to multiplex the content assembled by said content assembler, and

a transmitter operable to modulate the content multiplexed by said multiplexer and output the modulated content to said receiving,

wherein said receiving unit comprises a browser content determination unit operable to determine a content, including the browser content body, among the plurality of received contents based on the content header included in each of the plurality of received contents.

49. **(Previously Presented)** The storage-based broadcasting system in accordance with claim 48, wherein:

said transmission unit further comprises a service property information transmitting unit operable to transmit service property information for indicating properties of the service;

said receiving unit is operable to receive the transmitted service property information; and

said browser content determination unit is operable to determine a content, including the browser content body, among the plurality of received contents based on the service property information in addition to the content header.

50. **(Previously Presented)** The storage-based broadcasting system in accordance with claim 49, wherein:

said transmission unit further comprises a signature generator unit operable to place an electronic signature on the content including the browser content body;

said service property transmitting unit is further operable to transmit a public key of the electronic signature as being included in the service property information;

said receiving unit further comprises a signature authentication unit operable to authenticate the electronic signature by using the public key included in the received service property information; and

said browser content determination unit is operable to determine the content, including the browser content body, among the plurality of received contents through authentication of the electronic signature.

51. **(Previously Presented)** The storage-based broadcasting system in accordance with claim 50, wherein the key used for authentication of the electronic signature is unique to the service.

52. **(Previously Presented)** The storage-based broadcasting system in accordance with claim 49, wherein

the content pitcher unit further comprises a content ID space management unit operable to send information for defining a part of an ID space of the content, and

the receiving unit further comprises a designator operable to designate the content, including the browser content body, based on a content ID included in the defined part of the ID space.

53. **(Previously Presented)** The storage-based broadcasting system in accordance with claim 48, wherein said system further comprises a delivery unit operable to receive the content including the browser content body transmitted by said transmission unit, and transmit the transmitted content including the browser to said receiving unit.

54. **(Previously Presented)** The storage-based broadcasting system in accordance with claim 53, wherein:

said transmission unit is operable to transmit the content as a digital bit stream to said delivery unit; and

said delivery unit is operable to transmit the transmitted content as a digital bit stream to the receiving unit.